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Condition 3 – Table 1 (Specific Requirements)

Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
a. Emission Unit 80: Boiler 80-2 (716 mmBtu/hr), Boiler 80-3 (618 mmBtu/hr), Boiler 80-4 (737 mmBtu/hr), (Emission Point 80-1)		
1. [RESERVED]		
2. Conditions Applicable to Multiple Pollutants:		
<p>i. Operational Limitations: <i>[Reference APC-90/0289(A6), 90/0290(A12) and APC-90/0291(A5)]</i></p> <p>A. Only desulfurized refinery fuel gas (RFG) with a hydrogen sulfide content less than 0.1 grain/dscf on a 3 hour rolling average and/or natural gas may be fired in Boilers 80-2 and 80-4. Only desulfurized RFG, natural gas or syngas may be fired in Boiler 80-3.</p> <p>B. [RESERVED]</p> <p>C. [RESERVED]</p> <p>D. [RESERVED]</p> <p>E. Except during periods of startup and shutdown, the burner steam injection and flue gas recirculation systems in Boiler 2 shall be working in a manner consistent with maintaining 0.04 lb/MMBtu NO_x on a 24 hour rolling average.</p> <p>F. [RESERVED]</p> <p>G. [RESERVED]</p> <p>H. The Owner/Operator shall not cause or allow the combustion of any fuel in Boiler 80-4 at a rate that exceeds the boiler design capacity of 737 MMBtu/hr averaged over a rolling 365 day period. <i>[Reference 7 DE Admin. Code 1102 Section 11.8, dated 06/01/1997]</i></p>	<p>ii. Compliance Method: <i>[Reference APC-90/0289(A6), 90/0290(A12) and APC-90/0291(A5)]</i></p> <p>A. Compliance with Operational Limitation (A) shall be based on the Monitoring/Testing requirements.</p> <p>B. [RESERVED]</p> <p>C. Compliance with Operational Limitation (E) and (L) shall be based on compliance with Condition a.5.iii.A.</p> <p>D. Compliance with Operational Limitations (E) and (K) shall be based on maintaining the manufacturer's recommended steam injection and flue gas recirculation rates. The rates may be adjusted based on the experience of the Owner/Operator with these controls, consistent with minimizing emissions and good engineering practices.</p> <p>E. [RESERVED]</p> <p>F. Compliance with Operational Limitation (H) shall be based on Monitoring/Testing requirements.</p> <p>G. Compliance with Operational Limitation (A) shall be based on the H₂S CEMS.</p> <p>H. Comply with "Combined Limits" in Condition 3 - Table 1.f.</p> <p>iii. Monitoring/Testing: In addition to the requirements of</p>	<p>v. Reporting: In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>A. [RESERVED]</p> <p>B. [RESERVED]</p> <p>C. [RESERVED]</p> <p>D. [RESERVED]</p> <p>E. [RESERVED]</p> <p>F. [RESERVED]</p> <p>G. The Owner/Operator shall notify the Department in writing prior to making any material changes which cause these units to fall under the authority of Title IV of the Clean Air Act.</p> <p>H. [RESERVED]</p> <p>I. The Owner/Operator shall submit the following quarterly CEMS reports by January 30, April 30, July 30 and October 30 of each calendar year: <ol style="list-style-type: none"> 1. The H₂S CEMS reports shall include the information required by 40 CFR 60.7(c) and (d). <i>[Reference 40 CFR 60.7(c) and (d)]</i> </p> <p>J. Comply with "Combined Limits" in</p>

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<p>I. [RESERVED]</p> <p>J. Comply with "Combined Limits" in Condition 3 – Table 1.f.</p> <p>K. Except during periods of startup and shutdown, the burner steam injection systems and the Induced Flue Gas Recirculation (IFGR) systems in Boiler 3 and 4 shall be working in a manner consistent with maintaining 0.13 lb/MMBtu NO_x on a 24 hour rolling average. <i>[Reference APC-90/0290(A10), APC-90/0291 (A3)]</i></p> <p>L. Boilers 3 and/or 4 shall not be operated unless the respective IFGR system is in use and operating properly whenever the IFGR system is available. Compliance with the emission limitations in Condition 3 – Table 1.a.5.i shall constitute proper operation.</p> <ol style="list-style-type: none"> 1. The Owner/Operator shall operate the IFGR system for each boiler in accordance with manufacturer's recommendations. Each IFGR system shall be operated at all times that it is available. 2. The IFGR system is considered available except during periods of planned maintenance or malfunction as defined below. <ol style="list-style-type: none"> (a) "Malfunction" means any sudden and unavoidable failure of air pollution control 	<p>Conditions 3(b)(1)(ii) of this permit, the Company shall:</p> <ol style="list-style-type: none"> A. [RESERVED] B. [RESERVED] C. [RESERVED] D. [RESERVED] E. [RESERVED] F. [RESERVED] G. The Owner/Operator shall continuously monitor and record the fuel flow rates for each boiler. <i>[Reference 7 DE Admin Code 1130 Section 6.1.3.1.2, dated 12/11/2000]</i> H. The Owner/Operator shall continuously monitor and record the concentration (dry basis) of H₂S in RFG before it is combusted in any fuel burning device. The H₂S monitor shall be located downstream of all process steps that increase the concentration of H₂S in RFG prior to its being combusted in any fuel burning device. The monitoring instrument shall conform to the QA/QC requirements in 40 CFR 60, Appendix "F." The monitoring instrument shall conform to the requirements of Performance Specification 7 of 40 CFR 60, Appendix "B." The Relative accuracy evaluations shall be conducted using Method 11 of 40 CFR Part 60, Appendix "A." <i>[Reference APC-90/0288(A5), APC-90/0289(A6), APC-90/0290(A5)]</i> I. Comply with "Combined Limits" in Condition 3 - Table 1.f. 	<p>Condition 3 - Table 1.f.</p> <p>K. [RESERVED] <i>[Reference APC-90/0288(A5), APC-90/0289 A6), APC-90/0290(A5), APC-90/0291 and APC-97/0503(A3)]</i></p> <p>vi. Certification Requirement: That required by Condition 3(c)(3) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p>

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<p>equipment or process equipment or of a process to operate in a normal or usual manner, and that causes the source to exceed a technology based emission limitation under the permit, due to unavoidable increases in emissions attributable to the malfunction. An emergency or malfunction shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.</p>	<p>J. The Owner/Operator shall maintain:</p> <ol style="list-style-type: none"> 1. A log of all operating hours of each boiler clearly showing the hours of operation with different fuel types and the amount of each fuel consumed. 2. Rolling 24-hour heating values of the fuels combusted. <p>iv. Recordkeeping: In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Section 6.1.3.1.2 and 6.2.1 dated 12/11/00]</i></p> <p>A. The Owner/Operator shall maintain all records necessary for determining compliance with this permit in accordance with Condition 3(b). <i>[Reference: APC-90/0288(A5), APC-90/0289(A6), APC-90/0290(A10) and APC-90/0291(A3)]</i></p> <p>B. Comply with "Combined Limits" in Condition 3 - Table 1.f.</p>	
3. Particulate Emissions:		
<p>i. Emission Standards: <i>[Reference APC-90/0289(A6), 90/0290(A10) and APC-90/0291(A3)]</i></p> <p>A. [RESERVED]</p> <p>B. PM₁₀ emissions including H₂SO₄ shall not exceed the following limits:</p> <ol style="list-style-type: none"> 1. 0.0104 lb/mmBtu heat input when firing natural gas or refinery fuel gas in Boilers 80-2 and 80-3. 	<p>iii. Compliance Method: <i>[Reference APC-90/0289(A6), APC-90/0290(A10) and APC-90/0291(A3)]</i></p> <p>A. Compliance with PM₁₀ Emission Standards shall be demonstrated using stack test based emissions factors and fuel flow rates for the boilers.</p> <p>B. Compliance with TSP Emission</p>	<p>vi. Reporting: That required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>vii. Certification Requirement: That required by Condition 3(c)(3) of this</p>

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<p>2. RESERVED.</p> <p>3. RESERVED.</p> <p>4. 27.8 TPY from Boiler 80-2.</p> <p>5. 92 TPY from Boiler 80-3.</p> <p>6. RESERVED.</p> <p>C. [RESERVED]</p> <p>D. TSP emissions shall not exceed the following limits:</p> <p>1. 0.0062 lb/mmBtu heat input when firing natural gas or refinery fuel gas in Boilers 80-2 and 80-3.</p> <p>2. RESERVED.</p> <p>3. RESERVED.</p> <p>4. 15.7 TPY from Boiler 80-2.</p> <p>5. 13.5 TPY from Boiler 80-3.</p> <p>E. [RESERVED]</p> <p>F. [RESERVED]</p> <p>G. PM₁₀ emissions from the CCUs, and Boilers 1, 2, and 3 combined shall not exceed 311.0 TPY (inclusive of 235.4 TPY H₂SO₄ mist from Boilers 1,2 & 3 and the CCUs).</p> <p>H. [RESERVED]</p> <p>ii. Operational Limitations: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2. (EU-80).</p>	<p>Standards shall be demonstrated using stack test based emissions factors and fuel flow rates for the boilers.</p> <p>C. [RESERVED]</p> <p>iv. Monitoring/Testing: In addition to the requirements of Conditions 3(b)(1)(ii) of this permit, the Company shall:</p> <p>A. The Owner/Operator shall conduct the following stack tests annually, in accordance with Condition 3(b):</p> <p>1. EPA Reference Method 5 for TSP.</p> <p>2. EPA Reference Method 5B/202 for PM₁₀, including H₂SO₄.</p> <p>3. The Owner/Operator may petition the Department to decrease the frequency of TSP or PM₁₀ performance tests based on the results of any performance testing.</p> <p>B. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.iii (EU-80).</p> <p>v. Recordkeeping: In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Section 6.1.3.1.2 and 6.2.1 dated 12/11/00]</i></p> <p>A. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.iv (EU-80).</p>	<p>permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p>

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<p>4. Sulfur Dioxide (SO₂):</p> <p>i. Emission Standards:</p> <p>A. [RESERVED]</p> <p>B. The Owner/Operator shall not cause or allow the emission of SO₂ in excess of the following limits:</p> <ol style="list-style-type: none"> 1. RESERVED 2. Boiler 80-2: 71.2 TPY 3. Boiler 80-3: 61.4 TPY <p><i>[Reference: APC-90/0289(A6), APC-90/0290(A5)]</i></p> <p>ii. Operational Limitations:</p> <p>Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2 (EU-80).</p>	<p>iii. Compliance Method: <i>[Reference: APC-90/0289(A6), APC-90/0290(A5)]</i></p> <p>A. [RESERVED]</p> <p>B. Compliance with the SO₂ Emission Standards for Boilers 80-2 and 80-3 shall be demonstrated by complying with the fuel gas monitored H₂S content limitations as measured by the H₂S Continuous Monitoring System (CMS) for Boilers 80-2 and 80-3.</p> <p>iv. Monitoring/Testing:</p> <p>In addition to the requirements of Conditions 3(b)(1)(ii) of this permit, the Company shall:</p> <p>A. The Owner/Operator shall operate and maintain SO₂ CEMS for 80-3. <i>[Reference APC-90/0289(A6), APC-90/0290(A10)]</i></p> <p>B. The SO₂ CEMS shall conform to Performance Specification 2 of 40 CFR 60, Appendix "B." The Quality Assurance/Quality Control (QA/QC) procedures for SO₂ CEMS for this boiler shall be established in accordance with 40 CFR 60, Appendix "F". <i>[Reference: APC-90/0289(A6), APC-90/0290(A10)]</i></p> <p>C. [RESERVED]</p> <p>D. [RESERVED]</p> <p>E. [RESERVED]</p> <p>v. Recordkeeping:</p> <p>In addition to the requirements of</p>	<p>vi. Reporting:</p> <p>None in addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>A. [RESERVED]</p> <p>viii. Certification Requirement:</p> <p>In addition to the requirements of Condition 3(c)(3) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>A. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 – Table 1.a.2.v (EU-80).</p>

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	<p>Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Section 6.1.3.1.2 and 6.2.1 dated 12/11/00]</i></p> <p>A. The Owner/Operator shall maintain SO₂ CEMS data, calibration and audit results in accordance with Condition 3(b). <i>[Reference APC-90/0289(A6), APC-90/0290(A10) and APC-90/0291(A3)]</i></p>	
<p>5. Nitrogen Oxides (NO_x):</p> <p>i. Emission Standards:</p> <p>A. Comply with "Facility-wide Emission Limit for Nitrogen Oxides (NO_x)" in Part 1, Condition 3 - Table 1.j.</p> <p>B.</p> <ol style="list-style-type: none"> 1. [RESERVED] 2. [RESERVED] 3. [RESERVED] <p>C. The NO_x emissions shall not exceed the following levels based on a 24-hour rolling average basis:</p> <ol style="list-style-type: none"> 1. 0.20 lb/mmBtu for Boilers 80-3 and 80-4. 2. 0.04 lb/mmBtu for Boiler 80-2. 3. 0.13 lb/mmBTU for Boilers 3 & 4. <p>The lb/mmBTU emissions standards for Boilers 3 & 4 shall not apply during periods not to exceed 6 hours during each planned startup and shutdown. (The startup and shut down exemption is State</p>	<p>iii. Compliance Method: <i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-90/0291(A3)]</i></p> <p>A. Compliance with the NO_x Emission Standards for Boiler 80-2, 3, 4 and the CCUs and the "Facility-wide Emission Limit for Nitrogen Oxides (NO_x)" shall be based on Continuous Emissions Monitoring System (CEMS) for NO_x and O₂.</p> <p>B. [RESERVED]</p> <p>iv. Monitoring/Testing:</p> <p>In addition to the requirements of Conditions 3(b)(1)(ii) of this permit, the Company shall:</p> <p>A. The CEMS for Boilers 2, 3 and the CCUs shall conform to the applicable Performance Specifications in 40 CFR, Part 60, Appendix "B" and the QA/QC procedures for NO_x CEMS shall be established in accordance with</p>	<p>vi. Reporting:</p> <p>In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>A. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 – Table 1.a.2.v (EU-80).</p> <p>vii. Certification Requirement:</p> <p>That required by Condition 3(c)(3) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p>

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<p>Enforceable Only)</p> <p>D. [RESERVED]</p> <p>E. [RESERVED]</p> <p>F. [RESERVED]</p> <p>ii. Operational Limitation: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2 (EU-80).</p>	<p>40 CFR 60, Appendix "F". The CEMS for Boiler 4 shall conform to the applicable Performance Specifications in 40 CFR, Part 75, Appendix "A" and the QA/QC procedures for NO_x CEMS in accordance with 40 CFR 75, Appendix "B". <i>[Reference: APC-90/0289(A6), APC-90/0290(A10 and APC-90/0291(A3))]</i></p> <p>B. [RESERVED]</p> <p>C. Comply with "Facility-wide Emission Limit for Nitrogen Oxides (NO_x)" in Part 1, Condition 3 - Table 1.j. <i>[Reference 7 DE Admin. Code 1130 Section 6.1.3.1.2 dated 12/11/2000]</i></p> <p>v. Recordkeeping: In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Section 6.1.3.1.2 and 6.2.1 dated 12/11/00]</i></p> <p>A. Comply with "Facility-wide Emission Limit for Nitrogen Oxides (NO_x)" in Part 1, Condition 3 - Table 1.j. <i>[Reference: 7 DE Admin Code 1130 Section 6.1.3.1.2 dated 12/11/00]</i></p> <p>B. The Owner/Operator shall maintain NO_x CEMS data, calibration and audit results in accordance with Condition 3(b). <i>[Reference: APC-90/0288(A5), APC-90/0289(A6), APC-90/0290(A5)]</i></p>	
6. Carbon Monoxide (CO):		
i. Emission Standards: <i>[Reference: APC-90/0289(A6), APC-90/0290(A10 and APC-</i>	iii. Compliance Method: <i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-</i>	vi. Reporting: That required by Conditions 2(a), 2(b)(9),

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<p><u>90/0291(A3)]]</u></p> <p>A. [RESERVED]</p> <p>B. The Owner/Operator shall not cause or allow the emissions of CO in excess of 0.034 lb/mmBtu from Boilers 80-2 and 80-3 on a 24 hour rolling average basis.</p> <p>C. The Owner/Operator shall not cause or allow the emission of CO in excess of the following limits:</p> <ol style="list-style-type: none"> 1. [RESERVED] 2. 106.6 TPY for Boiler 80-2. 3. 92 TPY for Boiler 80-3. <p>ii. Operational Limitations: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2 (EU-80).</p>	<p><u>90/0291(A3)]</u></p> <p>Compliance with the CO Emission Standards shall be demonstrated by the following methods:</p> <p>A. [RESERVED]</p> <p>B. Stack test based emissions factor and fuel flow rates for Boiler 80-3.</p> <p>C. CEMS for Boiler 80-2.</p> <p>iv. Monitoring/Testing: In addition to the requirements of Conditions 3(b)(1)(ii) of this permit, the Company shall: <i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-90/0291(A3)]</i></p> <p>A. The Owner/Operator shall conduct an annual stack test for CO using EPA Reference Method 10 and in accordance with Condition 3(b) unless the Department approves less frequent testing.</p> <p>B. The Owner/Operator shall operate and maintain CO CEMS for Boiler 80-2.</p> <p>C. The CO CEMS shall conform to the applicable Performance Specifications in 40 CFR Part 60, Appendix "B." The QA/QC procedures for the CO CEMS shall be established in accordance with the procedures in 40 CFR Part 60, Appendix "F."</p> <p>v. Recordkeeping: In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this</p>	<p>2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit. <i>[Reference : 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>vii. Certification: That required by Condition 3(c)(3) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p>

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	<p>permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Section 6.1.3.1.2 and 6.2.1 dated 12/11/00]</i></p> <p>A. For Boiler 80-2, the Owner/Operator shall maintain CO CEMS data, calibration and audit results in accordance with Condition 3(b).</p> <p>B. For Boilers 80-3 and 80-4, the Owner/Operator shall comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.iv (EU-80).</p>	
7. Volatile Organic Compounds (VOC):		
<p>i. Emission Standards: <i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-90/0291(A3)]</i></p> <p>A. [RESERVED]</p> <p>B. VOC emissions shall not exceed the following limits:</p> <ol style="list-style-type: none"> 1. 0.0014 lb/mmBtu when firing natural gas or refinery fuel gas in Boilers 80-2 and 80-3. 2. [RESERVED] <p>C. The Owner/Operator shall not cause or allow the emission of VOC in excess of the following limits:</p> <ol style="list-style-type: none"> 1. RESERVED. 2. 4.4 TPY from Boiler 80-2. 3. 3.8 TPY from Boiler 80-3. <p>ii. Operational Limitations: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 -</p>	<p>iii. Compliance Method: Compliance with the VOC Emission Standards shall be demonstrated by firing only natural gas or by using stack test based emissions factors obtained while firing refinery fuel gas and refinery fuel gas flow rates for the boilers. <i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-90/0291(A3)]</i></p> <p>iv. Monitoring/Testing: In addition to the requirements of Conditions 3(b)(1)(ii) of this permit, the Company shall:</p> <p>A. The Owner/Operator shall conduct annually an EPA Reference Method 25 A stack test for VOC, in accordance with Condition 3(b). The Owner/Operator may petition the Department to decrease the frequency</p>	<p>vi. Reporting: That required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit. <i>[Reference :7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>vii. Certification: That required by Condition 3(c)(3) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p>

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<p>Table 1.a.2 (EU-80).</p>	<p>of VOC performance tests based on the results of any performance testing.</p> <p>B. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.iii (EU-80).</p> <p>v. Recordkeeping: In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Section 6.1.3.1.2 and 6.2.1 dated 12/11/00]</i></p> <p>A. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.iv (EU-80).</p>	
<p>8. Sulfuric Acid Mist (H₂SO₄):</p> <p>i. Emission Standards: <i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-90/0291(A3)]</i></p> <p>A. [RESERVED]</p> <p>B. The Owner/Operator shall not cause or allow the emission of H₂SO₄ in excess of the following limits:</p> <ol style="list-style-type: none"> 1. [RESERVED] 2. 10.9 TPY for Boiler 80-2. 3. 71.6 TPY for Boiler 80-3. <p>C. [RESERVED]</p> <p>ii. Operational Limitations: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2 (EU-80).</p>		
	<p>iii. Compliance Method: <i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-90/0291(A3)]</i></p> <p>A. Compliance shall be demonstrated using stack test based emissions factors and fuel flow rates for the boilers.</p> <p>B. [RESERVED]</p> <p>C. Compliance for the Boiler 80-3 shall be demonstrated by applying the stack test based SO₂ to H₂SO₄ conversion factor to the CEMS-monitored SO₂ emissions.</p> <p>D. Compliance for Boiler 80-2 shall be demonstrated by applying the fuel gas monitored H₂S content to the H₂SO₄</p>	<p>vi. Reporting: That required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit. <i>[Reference :7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>vii. Certification: That required by Condition 3(c)(3) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p>

Condition 3 – Table 1 (Specific Requirements)

Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
	<p>conversion factor.</p> <p>iv. Monitoring/Testing: In addition to the requirements of Conditions 3(b)(1)(ii) of this permit, the Company shall:</p> <p>A. The Owner/Operator shall conduct annually an EPA Reference Method 8 stack test for H₂SO₄, in accordance with Condition 3(b). The Owner/Operator may petition the Department to decrease the frequency of H₂SO₄ performance tests based on the results of any performance testing.</p> <p>B. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.iii (EU-80).</p> <p>v. Recordkeeping: In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Section 6.1.3.1.2 and 6.2.1 dated 12/11/00]</i></p> <p>A. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.iv (EU-80).</p>	
9. [RESERVED]		
10. Visible Emissions:		
<p>i. Emission Standard: The Owner/Operator shall not cause or allow the emission of visible air</p>	<p>iii. Compliance Method: Compliance with the Visible Emission Standard shall be demonstrated by a</p>	<p>vi. Compliance Method: A. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 -</p>

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Condition 3 – Table 1 (Specific Requirements)

Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
<p>contaminants from this unit in excess of 20% opacity for an aggregate of more than 3 minutes in any 1 hour period, or more than 15 minutes in any 24 hour period. [Reference: <u>APC-90/0289(A6)</u>, <u>APC-90/0290(A10)</u> and <u>APC-90/0291(A3)</u>]</p> <p>ii. Operational Limitations: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2 (EU-80).</p>	<p>Continuous Opacity Monitoring System (COMS) for Boilers 80-2, 80-3 and 80-4 in the common stack. [Reference: <u>APC-90/0289(A6)</u>, <u>APC-90/0290(A10)</u> and <u>APC-90/0291(A3)</u>]</p> <p>iv. Monitoring/Testing: In addition to the requirements of Conditions 3(b)(1)(ii) of this permit, the Company shall: [Reference: <u>APC-90/0289(A6)</u>, <u>APC-90/0290(A10)</u> and <u>APC-90/0291(A3)</u>]</p> <p>A. The Owner/Operator shall operate and maintain a COMS for Boilers 80-2, 80-3 and 80-4 in the common stack.</p> <p>B. The COMS shall be maintained in accordance with Performance Specification 1 in 40 CFR 60, Appendix "B."</p> <p>v. Recordkeeping: In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: [Reference: <u>7 DE Admin Code 1130 Section 6.1.3.1.2 and 6.2.1 dated 12/11/00</u>]</p> <p>A. The Owner/Operator shall maintain COMS data, calibration and audit results. [Reference: <u>APC-90/0288(A5)</u>, <u>APC-90/0289(A6)</u>, <u>APC-90/0290(A5)</u>]</p>	<p>Table 1.a.2.v (EU-80).</p> <p>vii. Certification: That required by Condition 3(c)(3) of this permit. [Reference: <u>7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00</u>]</p>
<p>11. Acid Rain Requirements for Boiler 80-4: [Reference <u>AQM-003/00016-CAIR</u>] The following are the requirements the Owner/Operator must follow for purposes of the Acid Rain Program:</p>		

Condition 3 – Table 1 (Specific Requirements)

Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
<p>i. [RESERVED]</p> <p>A. [RESERVED]</p> <p>B. [RESERVED]</p> <p>ii. SO₂ Requirements:</p> <p>A. The Owner/Operator shall:</p> <ol style="list-style-type: none"> 1. Hold allowances for Boiler 4, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of SO₂ for the previous calendar year from the unit, and the requirement to hold each ton of allowances constitutes a separate requirement. 2. [RESERVED] <p>B. [RESERVED]</p> <p>C. [RESERVED]</p> <p>D. The Owner/Operator's allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.</p> <p>E. The Owner/Operator shall not deduct allowances in order to comply with the requirements under paragraph (A) above prior to the calendar year for which the allowance was allocated.</p> <p>F. [RESERVED]</p> <p>G. [RESERVED]</p>	<p>v. Compliance Method:</p> <p>Compliance with the SO₂ requirements shall be based on Monitoring, Recordkeeping and Reporting Requirements.</p> <p>vi. Monitoring Requirements:</p> <p>A. The Owner/Operator and, to the extent applicable, designated representative shall comply with the monitoring requirements as provided in 40 CFR Part 75.</p> <p>B. The emissions measurements recorded and reported in accordance with 40 CFR Part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for SO₂ under the Acid Rain Program.</p> <p>C. [RESERVED]</p> <p>D. The Owner/Operator shall continuously monitor and record the concentration (dry basis) of TRS in RFG before it is combusted in Boiler 4. The TRS monitor shall be located downstream of all process steps which impact the composition of RFG prior to its being combusted in Boiler 4. The TRS monitor shall conform to the QA/QC requirements recommended by the manufacturer's specifications and listed in the QA/QC Plan for the TRS monitor.</p>	<p>viii. Reporting:</p> <p>In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>A. The Owner/Operator's designated representative shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR Part 72 Subpart I and 40 CFR Part 75.</p> <p>ix. [RESERVED]</p> <p>x. [RESERVED]</p> <p>xi. Certification:</p> <p>In addition to the requirements of Condition 3(c)(3) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>A. Each document required to be submitted to the Department and the Administrator pursuant to the Acid Rain provisions of this permit shall be signed and certified by the Designated Representative and shall contain the following language:</p> <p><i>"I am authorized to make this submission on behalf of the owners and</i></p>

Condition 3 – Table 1 (Specific Requirements)

Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
<p>iii. [RESERVED]</p> <p>iv. Excess Emissions Requirements:</p> <p>A. The Owner/Operator's designated representative shall submit a proposed offset plan, as required under 40 CFR Part 77 if Boiler 4 has excess emissions in any calendar year.</p> <p>B. If Boiler 4 has excess emissions in any calendar year, the Owner/Operator shall:</p> <ol style="list-style-type: none"> 1. Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR Part 77; and 2. Comply with the terms of an approved offset plan, as required by 40 CFR Part 77. 	<p>The TRS monitor shall conform to Performance Specification 5 of 40 CFR Part 75, Appendix "B." Relative accuracy evaluations shall be conducted using Method 15 of 40 CFR Part 75, Appendix "A."</p> <p>E. [RESERVED]</p> <p>vii. Recordkeeping: Unless otherwise provided, the Owner/Operator shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Department or the Administrator.</p> <p>A. The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the</p>	<p><i>operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."</i></p>

Condition 3 – Table 1 (Specific Requirements)

Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
	designated representative. B. All emissions monitoring information, in accordance with 40 CFR Part 75. C. Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program. D. Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.	
b. Emission Unit 82 Texaco Gasifiers 82-1a & 82-2a, Gas Coolers 82-1b & 82-2b (Fugitive Emissions, No Emission Points) These units have been permanently shut down.		
1. [RESERVED]		
i. Operational Limitations A. [RESERVED] B. [RESERVED]	ii. Compliance Method A. [RESERVED] B. [RESERVED] iii. Monitoring/Testing: [RESERVED] iv. Recordkeeping A. [RESERVED] B. [RESERVED] C. [RESERVED]	v. Reporting: [RESERVED] vi. Certification Requirement: [RESERVED]
2. [RESERVED]		

Condition 3 – Table 1 (Specific Requirements)

Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
c. Emission Unit 82 (cont'd) and 50: Three-Cell Linear Mechanical Draft Cooling Tower 50 (Emission Point 50). The Amine Acid Gas Removal System 82-3 and Syngas Flare 82-4 (Emission Points 82-1and 82-2) have been permanently shut down		
1. [RESERVED]		
i. Operational Limitations: A. [RESERVED] B. [RESERVED] C. [RESERVED] D. [RESERVED]	ii. Compliance Method: [RESERVED] iii. Monitoring/Testing: [RESERVED] iv. Recordkeeping: [RESERVED] A. [RESERVED] B. [RESERVED] 1. [RESERVED] 2. [RESERVED]	v. Reporting: [RESERVED] A. [RESERVED] B. [RESERVED] C. [RESERVED] D. [RESERVED] E. [RESERVED] vi. Certification Requirement: [RESERVED]
2. Particulate Emissions:		
i. Emission Standards: <i>[Reference APC-97/0504]</i> A. The Owner/Operator shall not cause or allow the emission of particulate matter (PM ₁₀) in excess of 6.57 TPY from cooling tower operations on a rolling 12 month basis. B. The Owner/Operator shall not cause or allow the emissions of particulate matter in excess of 0.2 grains per standard cubic foot from the cooling tower operations. <i>[Reference 7 DE Admin Code 1105 Section 2.0, dated 02/01/1981]</i> ii. Operational Limitation:	iii. Compliance Method: <i>[Reference APC-97/0504]</i> A. Compliance with Emission Standard (A) shall be based on Monitoring, Recordkeeping and Reporting Requirements. B. Compliance with Emission Standard (B) shall be demonstrated by installing high efficiency mist eliminators having a vendor guaranteed emission factor of 0.002 percent drift loss per pound of cooling water circulation. iv. Monitoring/Testing: <i>[Reference APC-97/0504]</i> A. The Owner/Operator shall conduct a	vi. Reporting: In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i> A. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.c.1.v (EU-82). <i>[Reference APC-97/0504]</i> vii. Certification Requirement: That required by Condition 3(c)(3) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i>

Condition 3 – Table 1 (Specific Requirements)

Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
<p>Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.c.1 (EU-82).]</p>	<p>quarterly test of total solids using Method 2540B of Standard Methods for the Examination of Water and Wastewater.</p> <p>B. The Owner/Operator shall continuously monitor cooling water flow rate.</p> <p>v. Recordkeeping: In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Section 6.1.3.1.2 and 6.2.1 dated 12/11/00]</i></p> <p>A. Quarterly test results of total solids using Method 2540B of Standard Methods for the Examination of Water and Wastewater. <i>[Reference APC-97/0504]</i></p> <p>B. Continuous cooling water flow rates. <i>[Reference APC-97/0504]</i></p>	
<p>3. [RESERVED]</p>		
<p>i. Emission Standard: [RESERVED]</p> <p>ii. Operational Limitations: [RESERVED]</p>	<p>iii. Compliance Method: A. [RESERVED] B. [RESERVED]</p> <p>iv. Monitoring/Testing: A. [RESERVED] B. [RESERVED]</p> <p>v. Recordkeeping: A. [RESERVED] B. [RESERVED] C. [RESERVED]</p>	<p>vi. Reporting: [RESERVED]</p> <p>vii. Certification Requirement: [RESERVED]</p>

Condition 3 – Table 1 (Specific Requirements)

Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
	D. [RESERVED] E. [RESERVED] F. [RESERVED]	
4. [RESERVED]		
i. Emission Standard: A. [RESERVED] B. [RESERVED] ii. Operational Limitations: [RESERVED]	iii. Compliance Method: A. [RESERVED] B. [RESERVED] iv. Monitoring/Testing: A. [RESERVED] B. [RESERVED] v. Recordkeeping: A. [RESERVED] B. [RESERVED] C. [RESERVED] D. [RESERVED]	vi. Reporting: [RESERVED] vii. Certification: [RESERVED]
5. [RESERVED]		
i. Emission Standard: [RESERVED] ii. Operational Limitations: [RESERVED]	iii. Compliance Method: [RESERVED] iv. Monitoring/Testing: [RESERVED] v. Recordkeeping: A. [RESERVED] B. [RESERVED] C. [RESERVED]	vi. Reporting: [RESERVED] vii. Certification: [RESERVED]
6. [RESERVED]		
i. Emission Standard:	iii. Compliance Method:	vi. Reporting:

Condition 3 – Table 1 (Specific Requirements)

Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
<p>[RESERVED]</p> <p>ii. Operational Limitations: [RESERVED]</p>	<p>[RESERVED]</p> <p>iv. Monitoring/Testing: [RESERVED]</p> <p>v. Recordkeeping: A. [RESERVED]</p>	<p>A. [RESERVED]</p> <p>vii. Certification: [RESERVED]</p>
<p>d. Emission Unit 84: Combined Cycle Units 84-1 and 84-2 (Emission Points 84-1 and 84-2)</p>		
<p>1. Conditions Applicable to Multiple Pollutants:</p>		
<p>i. Emission Standards: <i>[Reference APC-97/0503(A10)]</i></p> <p>A. The Owner/Operator shall not cause or allow emissions from the CCUs that exceed the Standards of Performance for New Stationary Gas Turbines specified in 40 CFR 60 Subpart GG. <i>[Reference 40 CFR 60 Subpart GG dated 09/10/1979 for SO₂ and dated 10/17/2000 for NO_x, and 7 DE Admin. Code 1120 Section 10 dated 11/27/1985]</i></p> <p>B. The Owner/Operator shall not cause or allow emissions from the duct burners that exceed the Standards of Performance for Electric Utility Steam Generating Units specified in 40 CFR 60 Subpart Db. <i>[Reference 40 CFR 60 Subpart Db dated 10/17/2000 for SO₂ and particulate matter and dated 08/14/2001 for NO_x, and 7 DE Admin. Code 1120 Section 26 dated 12/07/1988]</i></p> <p>C. The Department reserves the right to establish emission limitations and/or</p>	<p>iii. Compliance Method: <i>[Reference APC-97/0503(A10)]</i></p> <p>A. Compliance with the Emission Standards (A) and (B) (NSPS limits) shall be based on the type of fuel combusted and/or compliance with the more stringent emission limits specified for individual pollutants for these units.</p> <p>B. Compliance with the Operational Limitations (A) and (C) (pertaining to type and amount of fuel burned) shall be based on record keeping requirements.</p> <p>C. [RESERVED]</p> <p>D. [RESERVED]</p> <p>E. [RESERVED]</p> <p>F. Comply with "Combined Limits" in Condition 3 - Table 1.f.</p> <p>G. Compliance with Operational Limitation I shall be based on compliance with Table 1.d.4.i.C.</p>	<p>i. Reporting:</p> <p>In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>A. [RESERVED]</p> <p>B. The Owner/Operator shall notify the Department in writing prior to making any material changes which cause these units to fall under the Authority of Title IV of the Clean Air Act. <i>[Reference APC-97/0503 (A3)]</i></p> <p>C. Comply with "Combined Limits" in Condition 3 - Table 1.f.</p> <p>D. The owner/operator shall notify the Department within thirty (30) days of determination that an SCR system governed by this permit will be unavailable for a period exceeding 2 consecutive days. Such notifications</p>

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Condition 3 – Table 1 (Specific Requirements)

Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
<p>additional controls for specific compounds based on the results of the stack tests required under the Monitoring/Testing requirements.</p> <p>D. Comply with "Combined Limits" in Condition 3 - Table 1.f.</p> <p>ii. Operational Limitations: <i>[Reference APC-97/0503(A10)]</i></p> <p>A. [RESERVED]</p> <p>B. [RESERVED]</p> <p>C. [RESERVED]</p> <p>D. [RESERVED]</p> <p>E. [RESERVED]</p> <p>F. [RESERVED]</p> <p>G. [RESERVED]</p> <p>H. Only NG may be fired in the combustion chambers of the CCUs. Only NG or desulfurized RFG with a hydrogen sulfide content less than 0.1 grain/dscf on a 3-hour rolling average may be fired in the DBs.</p> <p>I. The CCUs shall not be operated unless the LNBs and SCR systems (when SCR is available) are operating properly. Compliance with the emissions limitation in d.3.i.C shall constitute proper operation.</p> <p><u>1.</u> The owner or operator shall operate the LNBs and SCR system for each CCU in accordance with manufacturer's recommendations.</p>	<p>H. Compliance with Operational Limitation H with respect to the H₂S concentration in RFG shall be based on a continuous monitoring device.</p> <p>I. Compliance with Operational Limitations I and H shall be based on record keeping requirements and on information available to the Department, which may include, but is not limited to, monitoring results, opacity and process operating data.</p> <p>iv. Monitoring/Testing: <i>[Reference 97/0503(A10)]</i></p> <p>A. [RESERVED]</p> <p>B. [RESERVED]</p> <p>C. Comply with "Combined Limits" in Condition 3 - Table 1.f.</p> <p>D. Department representatives shall be given the opportunity to witness all stack test emission testing and monitor certification testing including any test audits conducted on the monitors as part of the Quality Assurance Program.</p> <p>E. The CEMS required by Compliance Method H shall be installed for continuously monitoring and recording the concentration (dry basis) of H₂S in RFG before it is combusted in any fuel burning device. This instrument shall be located downstream of all process steps which impact the composition of RFG prior to its being combusted in</p>	<p>shall include:</p> <ol style="list-style-type: none"> Reason for unavailability Anticipated duration Steps being taken to minimize duration of unavailability and magnitude of emissions during this period. Alternatives considered Anticipated effect of unavailability on compliance with NO_x cap. <p>ii. Certification Requirement: That required by Condition 3(c)(3) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p>

Condition 3 – Table 1 (Specific Requirements)

Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
<p>Each SCR system shall be operated at all times that it is available, excluding periods of startup, shutdown, or malfunction.</p> <p>2. The SCR system is considered available except during periods of planned maintenance or malfunction.</p> <p>3. "Malfunction" means any sudden and unavoidable failure of air pollution control equipment or process equipment or of a process to operate in a normal or usual manner, and that causes the source to exceed a technology based emission limitation under the permit, due to unavoidable increases in emissions attributable to the malfunction. An emergency or malfunction shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.</p> <p>J. At all times, including periods of startup, shutdown and malfunction, the owner or operator shall, to the extent practicable, maintain and operate the facility including associated air pollution control equipment in a manner consistent with good air</p>	<p>any fuel burning device. The instruments shall conform to the QA/QC requirements of Appendix "F" in 40 CFR Part 60</p> <p>v. Recordkeeping: In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Section 6.1.3.1.2 and 6.2.1 dated 12/11/00]</i></p> <p>A. [RESERVED]</p> <p>B. The following records shall be maintained in accordance with Condition 3(b): <i>[Reference APC-97/0503(A10)]</i></p> <ol style="list-style-type: none"> 1. Record of all operating hours of each CCU and DB. 2. [RESERVED] 3. [RESERVED] 4. [RESERVED] 5. [RESERVED] 6. [RESERVED] 7. [RESERVED] 8. Rolling 24-hour heating value of the RFG combusted. 9. All 3-hour averages of the H2S content in RFG as measured by the H2S analyzer. 10. CEMS data including calibration log and results of all Cylinder Gas Audits and all Relative Accuracy Test Audits. 	

Condition 3 – Table 1 (Specific Requirements)

Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
<p>pollution control practice for minimizing emissions.</p> <p>K. All structural and mechanical components shall be maintained in proper operating condition.</p> <p>L. [RESERVED]</p>	<p>C. Comply with "Combined Limits" in Condition 3 - Table 1.f.</p>	
2. Particulate Emissions:		
<p>i. Emission Standards: <i>[Reference APC-97/0503(A10)]</i></p> <p>A. [RESERVED]</p> <p>B. PM₁₀ emissions including H₂SO₄ shall not exceed the following limits:</p> <ol style="list-style-type: none"> 1. 0.0074 lb/mmBtu when firing natural gas in CCUs. 2. 0.0099 lb/mmBtu when firing natural gas in the CCUs and refinery fuel gas in the duct burners. 3. [RESERVED] 4. [RESERVED] 5. 67 tons per year. <p>C. [RESERVED]</p> <p>D. TSP emissions shall not exceed the following limits:</p> <ol style="list-style-type: none"> 1. 0.0115 lb/mmBtu when firing natural gas in CCUs. 2. 0.0112 lb/mmBtu when firing natural gas in the CCUs and refinery fuel gas in the duct burners. 3. [RESERVED] 	<p>iii. Compliance Method: <i>[Reference APC-97/0503(A10)]</i></p> <p>A. Compliance with PM₁₀ Emission Standards shall be demonstrated using stack test based emissions factors and fuel flow rates for the CCUs and duct burners.</p> <p>B. Compliance with TSP Emission Standards shall be demonstrated using stack test based emissions factors and fuel flow rates for the CCUs and duct burners.</p> <p>C. The Owner/Operator may use stack test results obtained while the CCUs are operating with duct burners to demonstrate compliance with the respective non-duct burner emission standards for PM₁₀ and TSP by subtracting the heat input of the duct burners.</p> <p>iv. Monitoring/Testing:</p> <p>A. The Owner/Operator shall conduct the following stack tests annually, in</p>	<p>vi. Reporting:</p> <p>In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>A. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.d.1.vi. (EU-84).</p> <p>vii. Certification Requirement:</p> <p>That required by Condition 3(c)(3) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p>

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Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
<p>4. [RESERVED]</p> <p>5. 47.8 tons per year.</p> <p>E. [RESERVED]</p> <p>ii. Operational Limitation: Comply with "Conditions Applicable to Multiple Pollutants" in Part 3, Condition 3 - Table 1.d.1. (EU-84).</p>	<p>accordance with Condition 3(b):</p> <ol style="list-style-type: none">1. EPA Reference Method 5 for TSP.2. EPA Reference Method 5B/202 for PM₁₀, including H₂SO₄.3. If the Owner/Operator conducts stack testing with the duct burners in operation, the Owner/Operator shall calculate the emission rate for operation without duct burner operation by subtracting the heat input contributed by the duct burners.4. The Owner/Operator may petition the Department to decrease the frequency of TSP or PM₁₀ performance tests based on the results of any performance testing. <p>B. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.d.1.iv (EU-84).</p> <p>v. Recordkeeping: In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Section 6.1.3.1.2 and 6.2.1 dated 12/11/00]</i></p> <p>A. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.d.1.v (EU-84).</p>	
3. [RESERVED]		
4. Nitrogen Oxides (NO _x):		

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Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
<p>i. Emission Standards <i>[Reference APC-97/0503(A10)]</i></p> <p>A. Comply with "Facility-wide Emission Limit for Nitrogen Oxides (NO_x)" in Part 1, Condition 3 - Table 1.j.</p> <p>B. [RESERVED]</p> <p>C.</p> <p>D. The NO_x emissions from each CCU shall not exceed the following levels on an hourly basis:</p> <p>1. With the SCR in Operation:</p> <p>(a) 3 ppmvd @ 15% O₂ when CCU burns NG without duct firing.</p> <p>(b) 3.6 ppmvd @ 15% O₂ when CCU burns NG with duct firing.</p> <p>2. Without the SCR in Operation:</p> <p>(a) 15 ppmvd @ 15% O₂ when CCU burns NG without duct firing.</p> <p>(b) 18 ppmvd @ 15% O₂ when CCU burns NG with duct firing.</p> <p>3. [RESERVED]</p> <p>4. [RESERVED]</p> <p>E. The NO_x emission rates from the CCUs shall not exceed 390 ppmvd @ 15% O₂ for a period of 24 hours after cold startup of the CCU.</p>	<p>iii. Compliance Method: <i>[Reference APC-97/0503(A10)]</i></p> <p>A. Compliance with the "Facility-wide Emission Limit for Nitrogen Oxides (NO_x)" and with the NO_x Emission Standards shall be based on Continuous Emissions Monitoring System (CEMS) for NO_x and O₂.</p> <p>B. Compliance with the Operational Limitations shall be based on Recordkeeping requirements.</p> <p>iv. Monitoring/Testing: <i>[Reference APC-97/0503(A10)]</i></p> <p>A. The Owner/Operator shall operate and maintain NO_x and O₂ CEMS for the CCUs.</p> <p>B. The Quality Assurance/Quality Control (QA/QC) procedures for NO_x CEMS shall be established in accordance with 40 CFR Part 60, Appendix "F".</p> <p>C. Comply with "Facility-wide Emission Limit for Nitrogen Oxides (NO_x)" Part 1, in Condition 3 - Table 1.j. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.1 dated 12/11/00]</i></p> <p>v. Recordkeeping:</p> <p>In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Section 6.1.3.1.2 and 6.2.1 dated 12/11/00]</i></p>	<p>vi. Reporting:</p> <p>In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>A. [RESERVED]</p> <p>vii. Certification Requirement:</p> <p>In addition to the requirements of Condition 3(c)(3) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>A. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 – Table 1.a.2.v (EU-80).</p>

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Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
<p>F. [RESERVED] G. [RESERVED]</p> <p>ii. Operational Limitations: A. [RESERVED] B. [RESERVED]</p>	<p>A. The Owner/Operator shall keep NO_x CEMS data calibration and audit results in accordance with Condition 3(b). <i>[Reference APC-97/0503 (A10)]</i></p> <p>B. Comply with "Facility-wide Emission Limit for Nitrogen Oxides (NO_x)" in Part 1, Condition 3 - Table 1.j. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2 dated 12/11/00]</i></p>	
5. Carbon Monoxide (CO):		
<p>i. Emission Limitations: <i>[Reference APC-97/0503(A10)]</i></p> <p>A. [RESERVED]</p> <p>B. CO emissions on an hourly basis shall not exceed the following limits:</p> <ol style="list-style-type: none">1. 0.0202 lb/mmBtu when firing natural gas in CCUs.2. 0.0261 lb/mmBtu when firing NG in the CCUs and refinery fuel gas in the duct burners.3. [RESERVED]4. [RESERVED]5. 110.9 tons per year <p>C. The above limits shall not apply during periods of startup and shutdown of the combustion turnbines and/or duct burners. Such periods shall not exceed 2 hours in duration. The Owner/Operator shall follow good air pollution control practices to minimize CO emissions during these periods.</p>	<p>iii. Compliance Method: <i>[Reference APC-97/0503(A10)]</i></p> <p>Compliance with the CO Emission Standards shall be based on the following methods:</p> <p>A. CEMs for the CCUs.</p> <p>B. [RESERVED]</p> <p>C. [RESERVED]</p> <p>iv. Monitoring/Testing: <i>[Reference APC-97/0503(A10)]</i></p> <p>A. The Owner/Operator shall operate and maintain CO CEMS for the CCUs.</p> <p>B. [RESERVED]</p> <p>C. The CO CEMS shall satisfy the applicable Performance Specifications in 40 CFR part 60, Appendix "B." The QA/QC procedures for the CO CEMS shall be established in accordance with the procedures in 40 CFR Part 60 Appendix "F."</p>	<p>vi. Reporting:</p> <p>In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>A. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.d.1.vi (EU-84).</p> <p>vii. Certification Requirement:</p> <p>That required by Condition 3(c)(3) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p>

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Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
ii. Operational Limitations: <i>[Reference APC-97/0503 (A10)]</i> Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.d.1 (EU-84).	v. Recordkeeping: The Owner/Operator shall maintain CO CEMS data, calibration and audit results in accordance with Condition 3(b).	
6. Volatile Organic Compounds (VOC):		
i. Emission Standards: <i>[Reference APC-97/0503(A10)]</i> A. [RESERVED] B. VOC as measured by the average of the three stack test runs pursuant to the stack tests: 1. 0.0021 lb/mmBtu when firing natural gas in CCUs. 2. 0.0046 lb/mmBtu when firing natural gas in the CCUs and refinery fuel gas in the duct burners. 3. [RESERVED] 4. [RESERVED] 5. 19.8 tons per year. ii. Operational Limitations: Comply with "Conditions Applicable to Multiple Pollutants" in Part 3, Condition 3 - Table 1.d.1 (EU-84).	iii. Compliance Method: <i>[Reference APC-97/0503(A10)]</i> A. Compliance with the VOC Emission Standards shall be demonstrated using stack test based emissions factors and fuel flow rates for the CCUs and duct burners. B. The Owner/Operator may use stack test results obtained while the CCUs are operating with duct burners to demonstrate compliance with the respective non-duct burner emission standards for VOC by subtracting the heat input of the duct burners. iv. Monitoring/Testing: A. The Owner/Operator shall conduct annually an EPA Reference Method 25A stack test for VOC, in accordance with Condition 3(b). The Owner/Operator may petition the Department to decrease the frequency of VOC performance tests based on the results of any performance testing. B. If the Owner/Operator conducts stack testing with the duct burners in	vi. Reporting: In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i> A. Comply with "Conditions Applicable to Multiple Pollutants" in Part 3, Condition 3 - Table 1.d.1.vi (EU-84). vii. Certification: That required by Condition 3(c)(3) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i>

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Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
	<p>operation, the Owner/Operator shall calculate the emission rate for operation without duct burner operation by subtracting the heat input contributed by the duct burners.</p> <p>C. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.d.1.iv (EU-84).</p> <p>v. Recordkeeping: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.d.1.v (EU-84).</p>	
7. [RESERVED]		
8. [RESERVED]		
9. Visible Emissions:		
<p>i. Emission Standard: The Owner/Operator shall not cause or allow the emission of visible air contaminants from the CCUs in excess of 20% opacity for an aggregate of more than 3 minutes in any 1 hour period, or more than 15 minutes in any 24 hour period. <i>[Reference APC-97/0503(A10)]</i></p> <p>ii. Operational Limitations: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.d.1 (EU-84).</p>	<p>iii. Compliance Method: <i>[Reference APC-97/0503 (A10)]</i> Compliance with the visible Emission Standard shall be based on Monitoring/Testing requirements and on information available to the Department which may include, but is not limited to, monitoring results, opacity and process operating data.</p> <p>iv. Monitoring/Testing: A. The Owner/Operator shall conduct daily qualitative stack observations to determine the presence of any visible emissions when the units are in</p>	<p>vi. Reporting: None in addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i> A. [RESERVED]</p> <p>vii. Certification: That required by Condition 3(c)(3) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p>

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Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
	<p>operation.</p> <p>B. If visible emissions are observed, the Company shall take corrective actions and/or conduct a visible observation in accordance with paragraph D below.</p> <p>C. If no visible emissions are observed, no further action is required.</p> <p>D. If required by paragraph B above, the Company shall, in accordance with subsection 1.5(c) of 7 DE Admin. Code 1120, conduct visible observations at fifteen-second intervals for a period of not less than one hour except that the observations may be discontinued whenever a violation of the standard is recorded. The additional procedures, qualifications and testing to be used for visually determining the opacity shall be those specified in Section 2 and 3 (except for Section 2.5 and the second sentence of Section 2.4) of Reference Method 9 set forth in Appendix A of 40 CFR Part 60, revised July 1, 1982.</p> <p>v. Recordkeeping: In addition to complying with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.d.1.v (EU-84), the Owner/Operator shall keep a log of daily qualitative stack observations for each CCU.</p>	

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Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
<p>10. Sulfuric Acid Mist (H₂SO₄)</p> <p>i. Emission Limitation: H₂SO₄ as measured by the average of the three stack test runs shall not exceed 3.1 tons per year. <i>[Reference APC-97/0503(A10)]</i></p>	<p>ii. Compliance Method: <i>[Reference APC-97/0503 (A10)]</i></p> <p>A. Compliance with the H₂SO₄ Emission Standards shall be demonstrated using stack test based emissions factors and fuel flow rates for the CCUs and duct burners.</p> <p>B. The Owner/Operator may use stack test results obtained while the CCUs are operating with duct burners to demonstrate compliance with the respective non-duct burner emission standards for H₂SO₄ by subtracting the heat input of the duct burners.</p> <p>iii. Monitoring/Testing:</p> <p>A. The Owner/Operator shall conduct annually an EPA Reference Method 8 stack test for H₂SO₄, in accordance with Condition 3(b). The Owner/Operator may petition the Department to decrease the frequency of H₂SO₄ performance tests based on the results of any performance testing.</p> <p>B. If the Owner/Operator conducts stack testing with the duct burners in operation, the Owner/Operator shall calculate the emission rate for operation without duct burner operation by subtracting the heat input contributed by the duct burners.</p>	<p>v. Reporting: In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>A. Comply with "Conditions Applicable to Multiple Pollutants" in Part 3, Condition 3 - Table 1.d.1.vi (EU-84).</p> <p>vi. Certification: That required by Condition 3(c)(3) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p>

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Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
	iv. Recordkeeping: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.d.1.v (EU-84).	
11. Lead (Pb)		
i. Emission Limitation: Lead emissions shall not exceed 0.004 tons per year. <i>[Reference APC-97/0503(A10)]</i>	ii. Compliance Method: <i>[Reference APC-97/0503 (A10)]</i> Compliance with the Pb Emission Standards shall be based on firing only natural gas in the CCUs and either natural gas or desulfurized refinery fuel gas in the duct burners. iii. Monitoring/Testing None in addition to Condition 3.b of this permit. iv. Recordkeeping: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.d.1.v. (EU-84).	v. Reporting: In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i> A. Comply with "Conditions Applicable to Multiple Pollutants" in Part 3, Condition 3 - Table 1.d.1.vi. (EU-84). vi. Certification: That required by Condition 3(c)(3) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i>
12. Sulfur Dioxide (SO ₂)		
i. Emission Limitation: SO ₂ emissions shall not exceed 36.5 tons per year. <i>[Reference APC-97/0503(A10)]</i>	ii. Compliance Method: <i>[Reference APC-97/0503(A10)]</i> Compliance shall be based on firing only NG in the CCUs and either NG or desulfurized RFG in the DBs. iii. Monitoring/Testing None in addition to Condition 3.b of this permit.	v. Reporting: In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i> A. Comply with "Conditions Applicable to Multiple Pollutants" in Part 3, Condition 3

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Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
	iv. Recordkeeping: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.d.1.v (EU-84).	- Table 1.d.1.vi (EU-84). vi. Certification: That required by Condition 3(c)(3) of this permit. [Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]
13. Ammonia (NH ₃):		
i. Emission Limitation: [Reference <u>APC-97/0503(A10)</u>] A. The NH ₃ emissions from each CCU shall not exceed the following levels: 1. With the SCR in Operation: (a) 5 ppmvd @ 15% O ₂ 2. Without the SCR in Operation: (b) 0 ppmvd @ 15% O ₂ B. NH ₃ emissions shall not exceed 34.3 tons per year. [Reference <u>APC-97/0503(A10)</u>]	ii. Compliance Method: [Reference <u>APC-97/0503(A10)</u>] Compliance shall be based on monitoring the stack gas by obtaining weekly grab samples from a location downstream of the SCR system using a department approved method. The company may request Department approval of less frequent monitoring if 24 consecutive sampling events indicate ammonia slip to be less than 2 ppmvd @ 15% O ₂ . iii. Monitoring/Testing None in addition to Condition 3.b of this permit. iv. Recordkeeping: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.d.1.v (EU-84).	vi. Reporting: In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Company shall: [Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00] A. Comply with "Conditions Applicable to Multiple Pollutants" in Part 3, Condition 3 - Table 1.d.1.vi (EU-84). vi. Certification: That required by Condition 3(c)(3) of this permit. [Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]
e. Facility-Wide: See Part 2, Condition 3 – Table 1.ob.		
1. Conditions applicable to Multiple Pollutants: [RESERVED]		
i. Operational Limitations:	ii. Compliance Method:	v. Reporting Requirement:

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Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
A. [RESERVED] B. [RESERVED]	[RESERVED] iii. Monitoring & Testing: [RESERVED] iv. Recordkeeping: [RESERVED]	[RESERVED] vi. Certification Requirement: [RESERVED]
2. Odor: [RESERVED]		
i. Emission Standard: [RESERVED] ii. Operational Limitations: [RESERVED]	iii. Compliance Method: [RESERVED] iv. Monitoring & Testing: [RESERVED] v. Recordkeeping: [RESERVED]	vi. Reporting Requirement: [RESERVED] vii. Certification Requirement: [RESERVED]
3. Visible Emissions:[RESERVED]		
i. Emission Standard: [RESERVED] ii. Operational Limitations: [RESERVED]	iii. Compliance Method: [RESERVED] iv. Monitoring/Testing: A. [RESERVED] B. [RESERVED] 1. [RESERVED] 2. [RESERVED] 3. [RESERVED] v. Recordkeeping: [RESERVED]	vi. Reporting: [RESERVED] vii. Certification: [RESERVED]

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Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
f. Combined Limits: The following permit conditions are applicable to multiple emission units as noted below:		
1. Conditions Applicable to Multiple Pollutants:		
<p>i. Operational Limitations:</p> <p>A. [RESERVED]</p> <p>B. [RESERVED]</p> <p>C. The Owner/Operator shall not cause or allow the use of any fuel having a sulfur content greater than 1.0 % by weight and any distillate fuel oil having a sulfur content greater than 0.3 % by weight in any fuel burning equipment. <i>[Reference 7 DE Admin Code 1108 Sections 2.1 and 2.2, dated 05/09/1985]</i></p>	<p>ii. Compliance Method: <i>[Reference APC-90/0289(A6), APC-90/0290(A10) and APC-97/0503(A8)]</i></p> <p>A. [RESERVED]</p> <p>B. Compliance with Operational Limitation (C) shall be based on recordkeeping.</p> <p>iii. Monitoring/Testing: <i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-97/0503(A8)]</i></p> <p>A. The Owner/Operator shall continuously monitor and record the concentration (dry basis) of TRS in syngas before it is combusted in any fuel burning device. The TRS monitor shall be located downstream of all process steps which impact the composition of syngas prior to its being combusted in any fuel burning device. The TRS monitor shall conform to the QA/QC requirements recommended by the manufacturer's specifications and listed in the QA/QC Plan for the TRS monitor. The TRS monitor shall conform to Performance Specification 5 of 40 CFR Part 60, Appendix "B." Relative accuracy evaluations shall be conducted using Method 15 of 40 CFR Part 60, Appendix "A." <i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-97/0503(A8)]</i></p> <p>B. [RESERVED]</p>	<p>v. Reporting:</p> <p>In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>A. [RESERVED]</p> <p>B. [RESERVED]</p> <p>C. The Owner/Operator shall submit the following quarterly CEMS reports by January 30, April 30, July 30 and October 30 of each calendar year:</p> <p>1. [RESERVED]</p> <p>2. The NO_x and CO CEMS and COMS reports for CEMS required for the Boilers and CCUs shall include the following:</p> <p>a. Excess emissions and the nature and cause of the excess emissions, if known. The summary shall consist of emission averages, in the units of the applicable standard, for each averaging period during which the applicable standard was exceeded.</p> <p>b. The date and time identifying each period during which the</p>

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	<p>iv. Recordkeeping: In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Section 6.1.3.1.2 and 6.2.1 dated 12/11/00]</i></p> <p>A. Records shall be maintained of all 24-hour rolling and 12-month rolling averages of sulfur content in clean syngas as measured by the TRS analyzer. <i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-97/0503(A8)]</i></p>	<p>continuous monitoring system was inoperative, except for zero and span checks, and the nature of system repairs or adjustments.</p> <p>c. When no excess emissions have occurred and the CEMS have not been inoperative, repaired, or adjusted, such information shall be included in the report.</p> <p><i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-97/0503(A8)]</i></p>
2. Particulate Emissions:		
<p>i. Emission Standards: <i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-97/0503(A8)]</i></p> <p>A. The Owner/Operator shall not cause or allow the emission of particulate matter (PM10) in excess of 311 TPY from the CCUs (Emission Units 84-1 and 84-2), and Boilers 80-2 and 80-3, (inclusive of H₂SO₄ mist) on a rolling twelve (12) month basis.</p> <p>B. The Owner/Operator shall not cause or allow the emission of total suspended particulate (TSP) in excess of 78.7 TPY from the CCUs (Emission Units 84-1 and 84-2), and Boilers 80-2 and 80-3, combined.</p> <p>C. The Owner/Operator shall not cause or allow the emission of particulate</p>	<p>iii. Compliance Method <i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-97/0503(A8)]</i></p> <p>A. Compliance with PM10 Emission Standards shall be demonstrated by firing only natural gas or by using stack test based emissions factors and fuel flow rates for the CCUs, duct burners and boilers.</p> <p>B. Compliance with TSP Emission Standards shall be demonstrated by firing only natural gas or by using stack test based emissions factors and fuel flow rates for the CCUs, duct burners and boilers.</p> <p>iv. Monitoring/Testing: A. The Owner/Operator shall conduct the</p>	<p>vi. Reporting: In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>A. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.v.</p> <p>vii. Certification Requirement: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.v.</p>

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<p>matter in excess of 0.3 lb/mmBtu, maximum two (2) hour average, from any fuel burning equipment. <i>[Reference 7 DE Admin Code 1104 Section 2.1, dated 2/1/1981]</i></p> <p>ii. Operational Limitation: Comply with "Conditions Applicable to Multiple Pollutants" in Part 3, Condition 3 - Table 1.a.2.</p>	<p>following stack tests annually, in accordance with Condition 3(b):</p> <ol style="list-style-type: none">1. EPA Reference Method 5 for TSP.2. EPA Reference Method 5B/202 for PM10, including H₂SO₄.3. The Owner/Operator may petition the Department to decrease the frequency of TSP or PM10 performance tests based on the results of any performance testing.4. RESERVED <p>B. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.iii.</p> <p>v. Recordkeeping: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.iv.</p>	
3. Sulfur Dioxide (SO₂):		
<p>i. Emission Standards: <i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-97/0503(A8)]</i></p> <p>A. The Owner/Operator shall not cause or allow the emission of SO₂ in excess of 306.4 TPY from the CCUs (Emission Units 84-1 and 84-2), and Boilers 80-2 and 80-3, combined.</p> <p>ii. Operational Limitations: Comply with "Conditions Applicable to</p>	<p>iii. Compliance Method: <i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-97/0503(A8)]</i></p> <p>Compliance with the SO₂ Emission Standards shall be based on the H₂S Continuous Monitoring System (CMS) for Boilers 80-2, 80-3 and the duct burners of the CCUs. The CEMS shall conform to Performance Specification 2 in 40 CFR Part 60, Appendix "B" and the QA/QC procedures in accordance with 40 CFR Part</p>	<p>vi. Reporting: In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>A. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.v.</p>

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Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
Multiple Pollutants" in Part 3, Condition 3 - Table 1.a.2.	<p>60, Appendix "F".</p> <p>iv. Monitoring/Testing: <i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-97/0503(A8)]</i></p> <p>A. The Owner/Operator shall operate and maintain H₂S CMS for Boilers 80-2 and 80-3.</p> <p>B. [RESERVED]</p> <p>v. Recordkeeping: <i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-97/0503(A8)]</i></p> <p>A. The Owner/Operator shall maintain SO₂ CEMS data, calibration and audit results in accordance with Condition 3(b).</p>	<p>vii. Certification Requirement:</p> <p>That required by Condition 3(c)(3) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p>
4. Nitrogen Oxides (NO _x): RESERVED		
5. Carbon Monoxide (CO):		
<p>i. Emission Standards: <i>[Reference: APC-90/0289(A6), APC-90/0290(A10-5) and APC-97/0503(A10)]</i></p> <p>A. The Owner/Operator shall not cause or allow the emission of CO in excess of 470.2 TPY from the CCUs (Emission Units 84-1 and 84-2), and 80-2 and 80-3, combined on a rolling twelve (12) month basis.</p> <p>ii. Operational Limitations:</p> <p>Comply with "Conditions Applicable to Multiple Pollutants" in Part 1, Condition 3 - Table 1.a.2.</p>	<p>iii. Compliance Method: <i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-97/0503(A8)]</i></p> <p>Compliance with the CO Emission Standards shall be demonstrated by the following methods:</p> <p>A. Stack test based emissions factor and fuel flow rates for Boiler 80-3</p> <p>B. CEMS for Boiler 80-2 and the CCUs.</p> <p>iv. Monitoring/Testing: <i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-97/0503(A8)]</i></p> <p>A. The Owner/Operator shall operate and maintain CO CEMS for Boiler 80-2 and</p>	<p>vi. Reporting:</p> <p>In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>A. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.v.</p> <p>vii. Certification Requirement:</p> <p>That required by Condition 3(c)(3) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p>

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	<p>the CCUs.</p> <p>B. The QA/QC procedures for the CO CEMS shall be established in accordance with the procedures in 40 CFR Part 60, Appendix "F."</p> <p>C. For Boiler 80-3, the Owner/Operator shall conduct annually an EPA Reference Method 10 stack test for CO. The Owner/Operator may petition the Department to decrease the frequency of CO performance tests based on the results of any performance testing.</p> <p>v. Recordkeeping:</p> <p>A. For Boiler 80-2 and the CCUs, the Owner/Operator shall maintain CO CEMS data, calibration and audit results in accordance with Condition 3(b).</p> <p>B. For Boilers and 80-3 the Owner/Operator shall comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.iv.</p>	
6. Volatile Organic Compounds (VOC):		
<p>i. Emission Standard:</p> <p>A. The Owner/Operator shall not cause or allow the emission of VOC in excess of 22.7 TPY from the CCUs (Emission Units 84-1 and 84-2), and Boilers 80-2 and 80-3, combined on a rolling twelve (12) month basis. <i>[Reference:APC-</i></p>	<p>iii.Compliance Method:</p> <p>Compliance with the VOC Emission Standards shall be demonstrated by firing only natural gas or by using stack test based emissions factors and fuel flow rates for the boilers and CCUs. <i>[Reference : APC-90/0289(A6), APC-90/0290(A10) and APC-97/0503(A8)]</i></p>	<p>vi. Reporting:</p> <p>In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>A. Comply with "Conditions Applicable to</p>

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Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
<p><u>90/0289(A6), APC-90/0290(A10) and APC-97/0503(A8)]</u></p> <p>ii. Operational Limitations: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.</p>	<p>iv. Monitoring/Testing:</p> <p>A. The Owner/Operator shall conduct annually an EPA Reference Method 25A stack test for VOC, in accordance with Condition 3(b). The Owner/Operator may petition the Department to decrease the frequency of VOC performance tests based on the results of any performance testing. <i>[Reference: APC-90/0289 (A7), APC-90/0290 (A10), APC-97/0503 (A8) and APC-2009/0089 (A1)]</i></p> <p>B. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.iii.</p> <p>v. Recordkeeping: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.iv.</p>	<p>Multiple Pollutants" in Condition 3 - Table 1.a.2.v.</p> <p>vii. Certification: That required by Condition 3(c)(3) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p>
<p>7. Sulfuric Acid Mist (H₂SO₄):</p>		
<p>i. Emission Standards: <i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-97/0503(A8)]</i></p> <p>A. The Owner/Operator shall not cause or allow the emission of H₂SO₄ in excess of 235.4 TPY from the CCUs (Emission Units 84-1 and 84-2), and Boilers 80-2 and 80-3, combined on a rolling twelve (12) month basis.</p> <p>ii. Operational Limitations: Comply with "Conditions Applicable to</p>	<p>iii. Compliance Method: <i>[Reference: APC-90/0289(A6), APC-90/0290(A10) and APC-97/0503(A8)]</i></p> <p>A. Compliance with the H₂SO₄ Emission Standards shall be demonstrated using stack test based emissions factors and fuel flow rates for the boilers and CCUs.</p> <p>B. Compliance for the boiler 80-3 and the CCUs shall be demonstrated by applying the stack test based SO₂ to H₂SO₄ conversion factor to the CEMS-</p>	<p>vi. Reporting: In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p> <p>A. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.v.</p> <p>vii. Certification: That required by Condition 3(c)(3) of this</p>

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Multiple Pollutants" in Condition 3 - Table 1.a.2.	<p>monitored SO₂ emissions.</p> <p>C. Compliance for the Boiler80-2 shall be demonstrated by applying the fuel gas monitored H₂S content to the H₂SO₄ conversion factor.</p> <p>iv. Monitoring/Testing:</p> <p>A. The Owner/Operator shall conduct annually an EPA Reference Method 8 stack test for H₂SO₄, in accordance with Condition 3(b). The Owner/Operator may petition the Department to decrease the frequency of H₂SO₄ performance tests based on the results of any performance testing. <i>[Reference: APC-90/0289 (A7), APC-90/0290 (A10), APC-97/0503 (A8) and APC-2009/0089 (A1)]</i></p> <p>B. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.iii.</p> <p>v. Recordkeeping: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.iv.</p>	<p>permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p>
8. Lead (Pb):		
<p>i. Emission Standard:</p> <p>A. The Owner/Operator shall not cause or allow the emission of Pb in excess of 0.02 TPY from the CCUs (Emission Units 84-1 and 84-2) and Boilers 80-2 and 80-3 combined on a rolling twelve</p>	<p>iii. Compliance Method:</p> <p>Compliance with the Pb Emission Standard shall be demonstrated by firing desulfurized fuel gas or clean syngas in the boilers and either clean syngas or LSDF in the CCUs and natural gas in the duct</p>	<p>vi. Reporting:</p> <p>In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Company shall: <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p>

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<p>(12) month basis. <i>[Reference : APC-90/0289(A6), APC-90/0290(A10) and APC-97/0503(A8)]</i></p> <p>ii. Operational Limitations: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.</p>	<p>burners. <i>[Reference : APC-90/0289(A6), APC-90/0290(A10) and APC-97/0503(A8)]</i></p> <p>iv. Monitoring/Testing: A. [RESERVED] B. None in addition to Condition 3.b of this permit.</p> <p>v. Recordkeeping: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.iv.</p>	<p>A. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3 - Table 1.a.2.v.</p> <p>vii. Certification: That required by Condition 3(c)(3) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p>
<p>9. Carbon Dioxide (CO₂): State Enforceable Only</p>		
<p>i. Operational Limitation: A. The owners and operators of each CO₂ budget source and each CO₂ budget unit, at the source shall hold CO₂ allowances available for compliance deductions under 7 DE Admin. Code 1147, Section 6.5, as of the CO₂ allowance transfer deadline, in the source's compliance account in an amount not less than the total CO₂ emissions associated with gross generation output to the grid for the control period from all CO₂ budget units at the source, as determined in accordance with 7 DE Admin. Code 1147, Section 6.0 and 8.0 B. Each ton of CO₂ emitted in excess of the CO₂ budget emissions limitation shall constitute a separate violation of 7 DE Admin. Code 1147 and applicable state</p>	<p>iii. Compliance Methodology: : <i>[Reference APC-90/0289 (A10), APC-90/0290 (A11), APC-90/0291 (A4) and APC-97/0503 (A9)]</i> A. Compliance with Operational Limitation A shall be based on the calculation methodology described in Section 3 of DCRC's application and Attachment "H" of this permit which shall be used to determine CO₂ emissions from DCRC's affected units using the natural gas consumption, electrical generation, and steam production from each CCU to calculate the rolling daily average heat input for the allocation year. During periods of power balance when the CCUs are exporting power, the rolling daily heat rate shall be used to determine the amount of CO₂ allowances required for each CO₂ budget unit (CCU 1 and CCU 2) for each</p>	<p>vi. Reporting: That required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i> <i>[Reference: APC-90/0289 (A10), APC-90/0290 (A11), APC-90/0291 (A4) and APC-97/0503 (A9)]</i></p> <p>vii. Certification: That required by Condition 3(c)(3) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i></p>

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<p>law.</p> <p>C. The requirements of 7 DE Admin. Code 1147, Section 1.2.3.1 shall become effective as of January 1, 2013.</p> <p>D. CO2 allowances shall be held in, deducted from, or transferred among CO2 Allowance Tracking System accounts in accordance with 7 DE Admin. Code 1147, Sections 5.0, 6.0, 7.0 and 10.7.</p> <p>E. A CO2 allowance shall not be deducted, in order to comply with the requirements under 7 DE Admin. Code 1147, Section 1.5.3.1 of, for a control period that ends prior to the year for which the CO2 allowance was allocated. A CO2 offset allowance shall not be deducted, in order to comply with the requirements under 7 DE Admin. Code 1147, Section 1.5.3.1, beyond the applicable percent limitations set out in V, Section 6.5.1.3.</p> <p>F. A CO2 allowance under the CO2 Budget Trading Program is a limited authorization by the Department or a participating state to emit one ton of CO2 in accordance with the CO2 Budget Trading Program. No provision of the CO2 Budget Trading Program, the CO2 budget permit application, or the CO2 budget permit or any provision of law shall be construed to limit the authority of the Department or a participating state to terminate or limit such authorization.</p>	<p>allocation year. During periods of power imbalance, when some generation from the TGs may be exported, the conservative default heat rate of 10,000 Btu/kWh shall be used to determine the amount of CO2 allowances required for power exported during that period.</p> <p>B. Compliance with Operational Limitations B through H shall be based on the monitoring and recordkeeping requirements of this permit.</p> <p>iv. Monitoring/Testing: <i>[Reference , APC-90/0289 (A10), APC-90/0290 (A11), APC-90/0291 (A4) and APC-97/0503 (A9)]</i></p> <p>v. The Company shall monitor the following parameters as described in Attachment "H" of this permit:</p> <p>A. Daily overall power flow through the 13825 Power Line and Transformers AT1 and T6A in kWh, measured and reconciled daily.</p> <p>vi. B. Calculated daily average heat rate in BTU/kWh.</p> <p>The Company shall monitor the following parameters as described in Attachment "H" of this permit:</p> <p>A. Daily overall power flow through the 13825 Power Line and Transformers</p>	

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<p>G. A CO2 allowance under the CO2 Budget Trading Program does not constitute a property right.</p> <p>H. Excess emissions requirements: The owners and operators of a CO2 budget source that has excess emissions in any control period shall:</p> <ol style="list-style-type: none"> 1. Forfeit the CO2 allowances required for deduction under 6.5.4.1 of this regulation, provided CO2 offset allowances may not be used to cover any part of such excess emissions; and 2. Pay any fine, penalty, or assessment or comply with any other remedy imposed under 7 DE Admin. Code 1147, Section 6.5.4.2. <p>For purposes of the above condition, A CO2 Budget Source/affected unit shall mean Boiler 1, Boiler 2, Boiler 3, Boiler 4, CCU 1 or CCU 2.</p> <p><i>[Reference:APC-90/0289 (A10), APC-90/0290 (A11), APC-90/0291 (A4) and APC-97/0503 (A9)]</i></p> <p>ii. Administrative Requirements: <i>[Reference APC-90/0288 (A10), APC-90/0289 (A10), APC-90/0290 (A11), APC-90/0291 (A4) and APC-97/0503 (A9)]</i></p> <p>The Company shall comply with the following administrative requirements:</p> <ol style="list-style-type: none"> A. These permits shall be made available on the premises. B. Liability <ol style="list-style-type: none"> 1. No permit revision shall excuse any 	<p>AT1 and T6A in kWh, measured and reconciled daily.</p> <p>B. Calculated daily average heat rate in BTU/kWh.</p> <p>vii. Recordkeeping: The company shall maintain following records Unless otherwise provided, the owners and operators of the CO2 budget source and each CO2 budget unit at the source shall keep on site at the source each of the following documents for a period of 10 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 10 years, in writing by the Department.</p> <ol style="list-style-type: none"> 1. The account certificate of representation for the CO2 authorized account representative for the source and each CO2 budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with 2.4 of this regulation, provided that the certificate and documents shall be retained on site at the source beyond such 10-year period until such documents are superseded because of 	

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<p>violation of the requirements of the CO2 Budget Trading Program that occurs prior to the date that the revision takes effect.</p> <p>2. Any provision of the CO2 Budget Trading Program that applies to a CO2 budget source (including a provision applicable to the CO2 authorized account representative of a CO2 budget source) shall also apply to the owners and operators of such source and of the CO2 budget units at the source.</p> <p>3. Any provision of the CO2 Budget Trading Program that applies to a CO2 budget unit (including a provision applicable to the CO2 authorized account representative of a CO2 budget unit) shall also apply to the owners and operators of such unit.</p> <p>C. Effect on other authorities:</p> <p>1. No provision of the CO2 Budget Trading Program, a CO2 budget permit application, or a CO2 budget permit, shall be construed as exempting or excluding the owners and operators and, to the extent applicable, the CO2 authorized account representative of a CO2 budget source or CO2 budget unit from compliance with any other provisions of applicable State and federal law and regulations.</p> <p>D. Failure to comply with the provisions of</p>	<p>the submission of a new account certificate of representation changing the CO2 authorized account representative.</p> <p>2. All emissions monitoring information, in accordance with 7 DE Admin. Code 1147, Section 8.0 and 40 CFR 75.57.</p> <p>3. Copies of all reports, compliance certifications, and other submissions and all records made or required under the CO2 Budget Trading Program.</p> <p>4. Copies of all documents used to complete a CO2 budget permit application and any other submission under the CO2 Budget Trading Program or to demonstrate compliance with the requirements of the CO2 Budget Trading Program.</p> <p>B. The CO2 authorized account representative of a CO2 budget source and each CO2 budget unit at the source shall submit the reports and compliance certifications required under the CO2 Budget Trading Program, including those under 4.0 of this regulation.</p> <p><i>[Reference APC-90/0289 (A10), APC-90/0290(A11), APC-90/0291(A4) and APC-97/0503(A9)]</i></p>	

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these permits may be grounds for suspension or revocation. C.		
g. [RESERVED] Permanently Removed : Package Boilers: 3 Package Boilers 45-B-150, 45-B-350 and 45-B-450 (99.99 mmBTU/hr input each, natural gas and desulfurized refinery fuel gas fired) (Emission Points 45-150, 45-350 and 45-450)		
3. Conditions Applicable to Multiple Pollutants: [RESERVED]		
i. Operational Limitations: [Reference <u>APC-2009/0089(A1)</u>] A. RESERVED B. RESERVED	ii. Compliance Method: A. RESERVED. B. RESERVED iii. Monitoring/Testing: A. RESEREVED B. RESERVED iv. Recordkeeping: In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: [Reference <u>APC-2009/0089(A1)</u>] A. RESERVED B. RESEREVED	v. Reporting: In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the Owner/Operator shall: [Reference :7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00] A. RESERVED vii. Certification: RESERVED

Condition 3 – Table 1 (Specific Requirements)

Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
2. Particulate Emissions:		
i. Emission Standards: <i>[Reference APC-2009/0089(A1)]</i> A. RESERVED B. RESERVED C. RESERVED D. RESERVED ii. Operational Limitations: RESERVED	iii. Compliance Method: <i>[Reference APC-2009/0089(A1)]</i> A. RESERVED. iv. Monitoring/Testing: A. The Owner/Operator shall conduct the RESERVED 1. RESERVED. 2. RESERVED. 3. RESERVED. 4. RESERVED v. Recordkeeping: In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: A. RESERVED	vi. Reporting: RESERVED vii. Certification: RESERVED
3. Sulfur Dioxide (SO ₂):		
i. Emission Standards: <i>[Reference APC-2009/0089(A1)]</i> RESERVED ii. Operational Limitations: RESERVED	iii. Compliance Method: RESERVED iv. Monitoring/Testing: RESERVED v. Recordkeeping: In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: RESERVED	vi. Reporting: RESERVED vii. Certification: RESERVED
4. Nitrogen Oxides (NO _x):		
i. Emission Standards: <i>[Reference APC-2009/0089(A1)]</i> A. RESERVED	ii. Compliance Method: <i>[Reference APC-2009/0089(A1)]</i> RESERVED	v. Reporting: RESERVED vi. Certification:

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Condition 3 – Table 1 (Specific Requirements)

Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
	iii. Monitoring/Testing: RESERVED iv. Recordkeeping: In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: RESERVED	RESERVED
5. Carbon Monoxide (CO):		
i. Emission Standards: <i>[Reference APC-2009/0089(A1)]</i> A. RESERVED. B. RESERVED ii. Operational Limitations: RESERVED	iii. Compliance Method: <i>[Reference APC-2009/0089(A1)]</i> A. RESERVED. iv. Monitoring/Testing: A. RESERVED v. Recordkeeping: In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: A. RESERVED.	vi. Reporting: RESERVED <i>aj</i> vii. Certification: RESERVED

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Condition 3 – Table 1 (Specific Requirements)

Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
6. Volatile Organic Compounds (VOC):		
i. Emission Standards: <i>[Reference APC-2009/0089(A1)]</i> A. RESERVED. B. RESERVED. ii. Operational Limitations: RESERVED	iii. Compliance Method: <i>[Reference APC-2009/0089(A1)]</i> A. RESERVED. iv. Monitoring/Testing: A. RESERVED v. Recordkeeping: In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: A. RESERVED.	vi. Reporting: RESERVED vii. Certification: RESERVED _J
7. Sulfuric Acid Mist (H ₂ SO ₄):		
i. Emission Standards: <i>[Reference APC-2009/0089(A1)]</i> A. RESERVED. ii. Operational Limitations: RESERVED .	iii. Compliance Method: A. RESERVED. iv. Monitoring/Testing: A. RESERVED _J v. Recordkeeping: In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: A. RESERVED.	vi. Reporting: RESERVED _J vii. Certification: RESERVED _J
8. Ammonia (NH ₃):		
i. Emission Standards: <i>[Reference APC-2009/0089(A1)]</i> A. RESERVED. ii. Operational Limitations:	iii. Compliance Method: A. RESERVED. iv. Monitoring/Testing: A. RESERVED _J	vi. Reporting: RESERVED _J vii. Certification: RESERVED

Condition 3 – Table 1 (Specific Requirements)

Emission Limitations, Emission Standards, Operational Limitations, and Operational Standards	Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures, and Record Keeping)	Reporting and Compliance Certification
RESERVED	v. Recordkeeping: In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: A. Comply with "Conditions Applicable to Multiple Pollutants" in Part 3 Condition 3 - Table 1.g.1.iv.	
9. Visible Emissions:		
i. Emission Standards: <i>[Reference APC-2009/0089(A1)]</i> A. RESERVED. ii. Operational Limitations: RESERVED.	iii. Compliance Method: A. RESERVED. iv. Monitoring/Testing: <i>[Reference APC-2009/0089(A1)]</i> A. The Owner/Operator shall conduct daily qualitative stack observations to determine the presence of any visible emissions when the unit is in operation. 1. RESERVED. 2. RESERVED . B. RESERVED v. Recordkeeping: In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall: A. RESERVED.	vi. Reporting: Nothing in addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i> vii. Certification: That required by Condition 3(c)(3) of this permit. <i>[Reference: 7 DE Admin Code 1130 Sections 6.1.3.2.3 and 6.2.1 dated 12/11/00]</i>